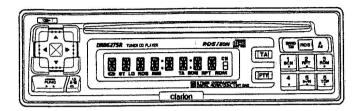
Ciarion Co., Ltd.

Export Division- 22-3, Shibuya 2-ohome, Shibuyaku, Tokyo, 150 Japan Tel: 03-3400-1121 Fax: 03-3400-8679 Telex: J22908, J22152 Service Dept.- 35-2 Hakusan, 5-chome, Bunkyo-ku, Tokyo, 112 Japan Tel: 03-3813-5151 Fax: 03-3814-2550

clarion Service Manual

Published by Service Dept.



FM/MW/LW Radio CD Combination with RDS-EON

Model DRB6275R

(PE-2201E-A / Illumination:Amber) (PE-2201E-B / Illumination: Green)

■ SPECIFICATIONS

Radio section

Tuning system:

PLL synthesizer

Receiving frequencies:

FM 87.5 to 108MHz MW 531 to 1.602kHz LW 153 to 279kHz

CD section

System:

Compact disc audio

Sampling frequency:

44.1kHz

Oversampling:

8times

Converters:

Dual 1-bit digital/analog converters

Frequency response:

20 to 20,000Hz(±1dB)

Dynamic range:

95dB(1kHz)

S/N ratio:

96dB(1kHz)IHF-A

Distortion:

0.01%

General

Power supply voltage:

DC14V(10.8 to 15.6V allowable)

Negative ground

Power consumption:

Less than 10A

Speaker impedance:

4Ω(4 to 8Ω allowable)

Auto antenna rated current:

350mA or less

Dimensions:

Width 178mm

Height 50mm

Depth 152mm

Weight:

1.6kg

* For improvement purposes, specifications and design are subject to change without prior notice.

■ FEATURES

RDS-EON receiver with PI,PS,AF,TA,PTY,REG and CT

24 presets(18FM,6MW/LW)

Dual 1-bit "Bit-stream" D/A converters

Plays 8cm discs

High power 30W X 4 max.

Triggered audio mute for cellular telephone

Fully detachable control panel

COMPONENTS

PE-2201E-A/E-B Main unit Mounting bracket 300-9035-03 1 Hook plate 330-8216-0L 2 DCP case 335-4848-03 1 370-9006-22 1 Escutcheon 716-0726-01 1 Screw A-lead 850-6681-00 1

■ CAUTIONS

- 1. This appliance contains a laser system and is classified as a "CLASS 1 LASER PRODUCT".
- 2.Use of controls or adjustments or performance of procedures other than those specified in the service manual may result in hazardous radiation exposure.
- 3. Static discharges can destroy expensive component. Discharge any static electricity your body may have accumulated by grounding yourself to the ground buss in the unit(heavy gauge black wires connect to this buss).
- 4. Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power
- 5. Use of controls or adjustments or performance of proce-

dures other than those specified herein may result in hazardous radiation exposure. Do not look into the optical lens at anytime.

- 6. Precautions for servicing the CD player
- 6-1. When replacing the pickup unit, take a countermeasure for electrostatic destruction (protection with a short pin, etc.) to be careful in handling.
- 6-2.When disassembling, be sure to turn off the power. Disconnecting a connector during power-on may destroy the internal IC.
- 7. Precautions for handling the pickup
- 7-1.Destruction due to surge current or static electricity
 If a large current flows to the LD even for a very short
 period, deterioration is promoted by a strong light emitted
 by itself, or it is destroyed. See to it that the LD drive circuit
 will not be exposed to a surge current caused by a switch
 and others. If you handle it carelessly, it will be destroyed
 instantaneously by static electricity applied form a human body. The terminals of the LD have been shorted in
 order to protect them against electrostatic destruction
 caused by transportation upon shipment. To make safety
 doubly sure, earth a human body, instruments, and jigs
 without fail when installing. It is recommended to spread
 a ground mat on a work bench or the floor for grounding. To
 open the shorted parts, use a soldering iron after insert-

ing a connector. Use the soldering iron whose metallic part is earthed or whose insulation resistance is 10M ohm or more (500C DC) in 5minutes after turning on the power, and whose temperature at its tip is 320°C or less (30W),, and work quickly. Depending on mechanism, when rmoving the flexible P.W.B., short it.

7-2.2-axis block

Actuator

The actuator has a powerful magnetic circuit. If a magnetic substance is put close to it. its characteristics will change. Also see to it that no foreign substances will enter through the clearance of the cover.

Cleaning the lens

Adherence of dust to the objective reduces performance. To clean the lens, apply a small amount of isopropylal cohol to lens paper and wipe the lens gently.

7-3.Handling

- a)When handling the pickup drive unit, hold the resin mold chassis.
- b)Note that if the circuitry of the printed circuit board is directly touched by a hand or other substances, the LD may be deteriorated.
- c)If you directly touch the pins of the flexible connector with hand, the LD will be deteriorated. When removing the mechanism from the set, be fully careful in handling.

DURING REPAIR OR INSPECTION, OBSERVE THE FOLLOWING

1.Use specified parts.

The system uses parts with special safety characteristics against flame and voltage. Use only parts with equivalent characteristics when replacing them.

2. Place the parts and wiring back in their original positions after replacement or re-wiring.

For proper circuit construction, use of insulation tubes, bonding, gaps to P.W.B. etc. is involved. The wiring connection and routing to the P.W.B. are specially devised using clamps to keep away from heated and high-voltage parts. So, make sure to replace them back in their original positions after repair or inspection.

3. Check for safety after repair.

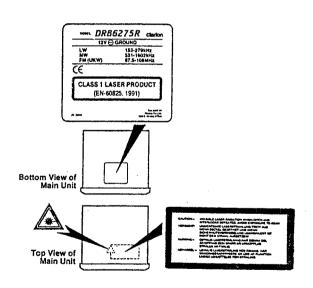
Check that the screws, parts, and wires are put back securely in their original position after repair. And make sure for safety reasons there is no possibility of secondary ploblems around the repaired spots.

4. Cautions regarding chips.

Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, condensers, diodes, transistors, etc.). The negative pole of tantalum condensers is highly susceptible to heat, so use special care when replacing them, and check operation afterward.

5. Cautions in handling flexible P.W.B.

Before working with a soldering iron,make sure that the iron tip temperature is around 270°C .Take care not to apply the iron tip repeatedly(more than 3 times)to the same patterns.Also take care not to apply the tip with force.



ERROR DISPLAY

To protect the system, this unit has been equipped with self diagnostic functions. If a fault arises, a warning is issued by various error displays. Follow the corrective measure and remove the fault.

Erroe display	Corrective measure
ER2	This error display indicates that a fault has arisen in the mechanism of the main unit
	(for example,the disc cannot be changed or ejected), → Check the main unit.
ER3	This error display indicates that the pickup focus is off because of a scratched disc or some other factor
	during the main unit play.→Check the compact disc.

EXPLANATION OF IC

μ PD78058GC-116-3B9

052-3325-00

RDS Master Micro computer

Outward Form

80 pins plastic QFP

Terminal Description

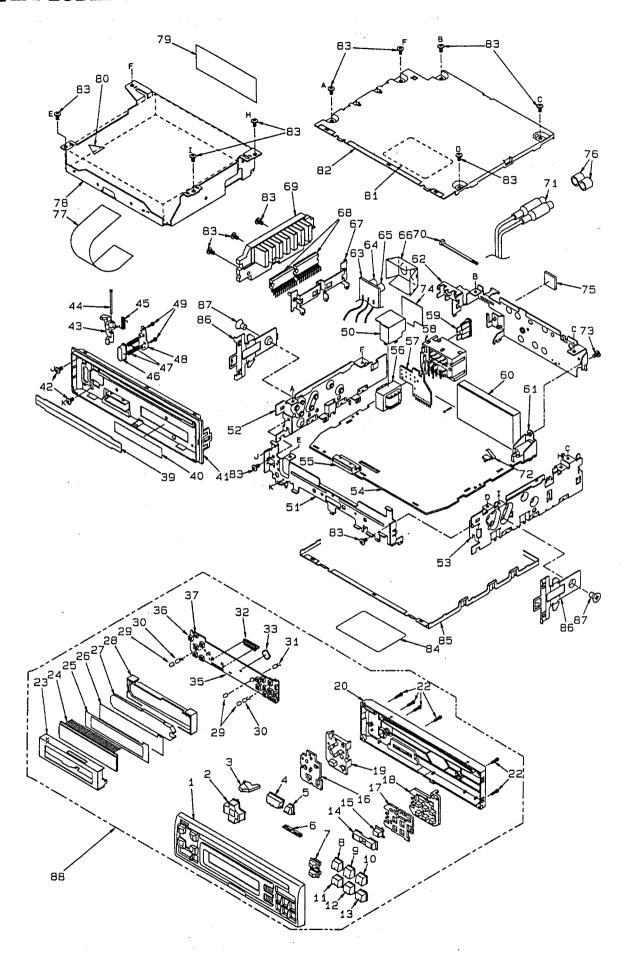
Pin No. Symbol I/O Function Pin No. Symbol I/O Function	" is
TR-B TR-C TR-C TR-C TR-C TR-C TR-C TR-C TR-C	" is
chucking, and other mechanical status. When disk is present, "H" is input. When not present, "I input. Chucking SW input terminal Chucking SW imput terminal This terminal detects disc chucking completion. If disc is loaded and chucking SW turns "ON", "L" is input. AVss — GND terminal for A/D converter NOL CCW I Input terminals of rotary SW (OEM specification) AVrefi — +5V power supply terminals for D/A converter PLL DI I PLL SCK O PLL SCK O III LCD SI I LCD SO O LCD SCK O LCD CE O Control serial I/O terminals AND CONVOFF control output terminal of RF amplifier for laser of control "L": laser "ON" CONVOFF control terminals ON/OFF control terminals Performs disc loading and EJECT operation. LOADING EJECT BRAKE STOP MCW "H" "L" "H" "L" "L" "H" "L" "L" "H" "L" "L	" is
When disk is present, "H" is input. When not present, "I input. Chucking SW input terminal This terminal detects disc chucking completion. If disc is loaded and chucking SW turns "ON", "L" is input. 4 AVss — GND terminal for A/D converter 5 VOL CW 6 VOL CCW 7 AVref1 — +5V power supply terminals for D/A converter 8 PLL DI 1 9 PLL DO 0 PLL SCK 0 11 LCD SI I 1 12 LCD SO 0 LCD SCK 0 13 LCD SCK 0 LCD CE 0 15 \ NC — Not in use 20 ON/OFF control output terminal of RF amplifier for laser of control control terminals 21 LDON 0 Control Serial I/O terminals ON/OFF control output terminal of RF amplifier for laser of control control terminals 12 LCD SCR 0 LCD SCR 0 LCD CONTROL TERMINAL SERVICE SCR ON CONTROL TERMINAL SERVICE STOP MCW "H" "L" "H" "L" "L" "H" "L" "L" "H" "L" "L	ui,
input. Chucking SW input terminal Chucking SW input terminal This terminal detects disc chucking completion. If disc is loaded and chucking SW tums "ON", "L" is input terminal for A/D converter 5 VOL CW 6 VOL CCW 7 AVref1	ui,
This terminal detects disc chucking completion. If disc is loaded and chucking SW tums "ON", "L" is inf	``
If disc is loaded and chucking SW turns "ON", "L" is ing 4	``
4	``
1	ilput
1	itput
6	itput
R	itput
9	при
10	ntput
11	ntput
12	nput
13	nput
14	itput
15	nput
NC	nput
20	itput
21	itput
"L": laser "ON"	
22 MCCW	•
23 MCW O Performs disc loading and EJECT operation.	
LOADING EJECT BRAKE STOR	2
MCW	
24 SQCK O SUB-Q data readout clock terminal from CXD 2545 Q 25 XRST O Reset output terminal to CXD 2545 Q	4
24 SQCK O SUB-Q data readout clock terminal from CXD 2545 Q 25 XRST O Reset output terminal to CXD 2545 Q	-
25 XRST O Reset output terminal to CXD 2545 Q	
200	
26 CLOCK O Clock output terminal for serial data transmission to CXD	
	545 Q
27 XLAT Q Latch output terminal for serial data to CXD 2545 Q	
28 DATA O Serial data output terminal to control CXD 2545 Q	
29 SCLK O Clock to readout SENS data from CXD 2545 Q	
3() SQSO I Input terminal of SUB-Q data output from CXD 2545 Q	
31 SENS I Input terminal of CDIC internal state output from CXD 25	
XBUSY: During auto sequencer operation, in ave	
measuring, and auto gain control operation (-)
FOK : Focus OK (H) GFS : Replayed frame sink is gained with correct tin	ing.
(H)	
SSTOP: Limit SW ON (H)	
OV64 : Detection of spindle motor low speed rotation	(H)
32 NC - Not in use	
33 V _{SS} – GND	
34 NC – Not in use	
Terminal for initialization (for OEM)	
35 INIT 3 I "L" for rotation VOL & '93 specification	
"H" for cross key	CP
36 REM+5 0 Power supply control terminal of microcomputer pull-up. driver and PLL IC	U
37 CD PWR2 O CD power 2 control output terminal	
During CD PLAY, this port turns to "L" and power to CD	
supplied. When STOP, spindle motor stops and this port	C is
to "OPEN", then power supply to CDIC tums OFF.	

Pin No.	Symbol	NO	Function
38	RDS DX	. 0	DX output terminal for RDS
			"L" only when RDS DX SEEK
39	RDS+B	0	Terminal for RDS power supply "L" during FM reception Mule output
40	MUTE	0	"H" for mute ON
41	PHONE	٠,	Input terminal of TEL interruption
	1110112	·	"H" for interruption
42	REM+B	0	Audio system power supply control terminal
43	CDPWRI	0	CD power I control output terminal When output is "H", power to CD mechanism is supplied.
44		-	Not in use
45	NC		1906 OF USE
46 47	VOL SCK VOL SO	0	Electronic volume control serial terminals
48			Nations
49	NC		Not in use
50	ВЕЕР	0	Buzzer output (for OEM)
51	RDS DATA	1	Data input terminal from RDS decoder
52	NC		Not in use
53	AM SD	I	AM SD input
54	ST IND	ı	FM ST indicator input terminal
		<u> </u>	"L" for light up. Light off in other modes and SEEK
55	FM SD	I	FM SD input
56	RDS MUTE	0	Mute output terminal for RDS Terminal for RDS initial setting
57	RFDS INIT	ı	"L" for pool memory scan
		ļ	"H" for PI search
58	NC		Not in use
59	PLL CE	0	PLL control terminal
60	RESET	<u>'</u>	Reset input terminal
61	. RDS CLK	1	Clock input for data readout from RDS decoder
62	B/U DET	1	B/U detection terminal
63	ACC IN		ACC detection terminal
64	KEY INT	1	Eject key and FUNC key input
65	SCOR	ı	Signal from sub-code sink SO/SI output terminal of CXD 2545 Q is input.
66	BAND INT	ı	BAND KEY input terminal (OEM specification)
67	NC	1	Not in use
68	Vdd	 -	+5V power supply voltage terminal
69	XOUT	0	4.19 MHz terminal for ceramic
70	XIN		Service volumes and Colding
71	IC	_	Connected to GND.
72	XT2	0	Not in use
73	INITI	1	Market/OEM initial setting L: Market H: OEM
74	AVad	-	+5V power supply terminal for A/D converter
75	AVref0 TEMP	1	Temperature sensor input terminal
77	SMETER	1	RDS S meter voltage detection terminal
78	KEY AD	1	EJECT/FUNC/DCP SW detection terminal
			5V~4.5V : DCP OFF
]			4.5V~4V : DCP ON 1V~0.5V : FUNC ON
	1		0.5V~0V: EJECT
79	REMOCON	ı	REMOCON input terminal (OEM specification) 5V~OV: KEY OFF
	,		
,			· ·
	L	ed at in	

Note: When L (market) is selected at initial setting, disregard the ports of exclusive use In EM.



EXPLODED VIEW



PARTS LIST

	i o mo .					,	
NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	V Q'TY
1	370-5573-00	ESCUTCHEON	1	47	750-3173-00	SPRING	2
2	382-7685-00	BUTTON (VOL)	1	48	331-0588-20	SPRING HOLDER	1
3	382-7665-00	BUTTON (RELEASE)	1	49	716-0778-00	WAVE SCREW	2
4	382-7683-01	BUTTON (POWER)	1	50	331-1862-00	SHIELD CASE	1
5	382-7684-01	BUTTON (A-M)	1	51	309-0664-20	FRONT PLATE	1
6	335-4874-00	ILLUMI-PLATE	1	52	305-0242-20	SIDE-CVR (L)	1
7	382-4074-00	BUTTON (TA/PTY)	1	53	305-0247-20	SIDE-CVR (R)	1
8	382-7703-01	BUTTON (1/SCN)	1	54	039-0600-00	MAIN PWB	1
9	382-7704-01	BUTTON (2/RPT)	1	55	074-1112-00	OUTLET SOCKET	1
10	382-7705-01	BUTTON (3/RDM)	1	56	009-9006-60	CHOKE	1
11	382-7706-02	BUTTON (4)	1	57	039-0602-00	ISO-RCA PWB	111
12	382-7707-01	BUTTON (5/PLAY)	1	58	074-1115-00	OUTLET SOCKET	1
13	382-7708-01	BUTTON (6/TOP)	1	59	060-0057-56	AUTO FUSE (10A)	1
14	382-4076-02	BUTTON (BAND/EJ)	1	60	80-2078-Al	FM/LW/MW TUNER	1
15	382-4077-00	BUTTON (RDS)	1	61	092-9000-00	ANT-RECEPTACLE	1
16	345-7710-00	SPONGE (L)	1	62	307-0510-00	REAR-CVR	1
17	345-7711-00	SPONGE (R)	1	63	039-0602-00	ISO-RCA PWB	1
18	335-5020-00	ILLUMI PLATE R	1	64	075-9004-00	JACK (RED)	1
19	335-5019-00	ILLUMI PLATE L	1	65	075-9003-00	JACK (WHITE)	1
20	335-5018-00	REAR-CVR	1	66	347-5216-00	INSULATOR	1
22	716-1674-0L	P-TIGHT SCREW	6	67	331-1766-00	IC-HOLDER	1
23	331-1783-00	LCD-COVER	1	68	051-2009-00	IC (TDA8561Q)	2
24	379-1043-41	INDICATOR	1	69	313-1643-00	HEAT SINK	1
25	347-5234-00	FILM	1	70	335-0833-01	LEAD HOLDER	1
26	347-5233-00	FILM	1	71	855-8000-13	RCA PIN CORD	- 1
27	335-5016-00	ILLUMI PLATE	1	72	331-1861-00	EARTH PLATE	11
28	335-5017-00	LCD HOLDER	1	73	714-3006-81	MACHINE SCREW	1
29	345-4441-65	LAMP CAP (E-A,AMBER)	3	74	347-5291-00	FILM	1
29	345-2830-20	LAMP CAP (E-B,GREEN)	3	75	345-7740-00	RUBBER SHEET	1
30	017-9000-00	PILOTLAMP	2	76	345-3799-0L	RUBBER CAP	2
31	017-0441-00	PILOTLAMP	1	77	816-2376-00	FLAT CABLE	1
32	076-0522-00	PLUG (10P)	1	78	929-0065-80	CD-MECH-MODULE	1
33	051-6013-00	IC	1	79	347-5215-00	INSULATOR	1
35	039-0601-00	SWITCH PWB	1	80	285-1426-00	GUIDE LABEL (LASER)	1
36	013-6002-50	SWITCH	15	81	285-1340-00	GUIDE LABEL (CAUTION)	1
37	013-3812-11	SWITCH	2	82	303-0457-20	UPPER-CVR	. 1
39	346-0097-00	LEATHER SHEET	1	83	731-3006-80	TAPTIGHT	13
40	291-0074-00	STICKER	1	84	286-8477-00	SETPLATE	1
41	370-5576-01	INNER-ESCUTHCEON	1	85	304-0440-20	LOWER-CVR	1
42	714-2004-19	MACHINE SCREW	2	86	750-2796-0L	SPRING	2
43	335-4841-00	HOOK	1	87	714-5008-41	MACHINE SCREW	2
44	341-1492-00	SHAFT	1	88	940-1753A	DCP ASS'Y (E-A,AMBER)	1
45	750-3174-00	SPRING	1		940-1754A	DCP ASS'Y (E-B,GREEN)	1:₁
46	382-4078-00	BUTTON (P-OUT)	1				

■ PARTS LIST

Note) Several different parts of the same reference number are alternative parts.

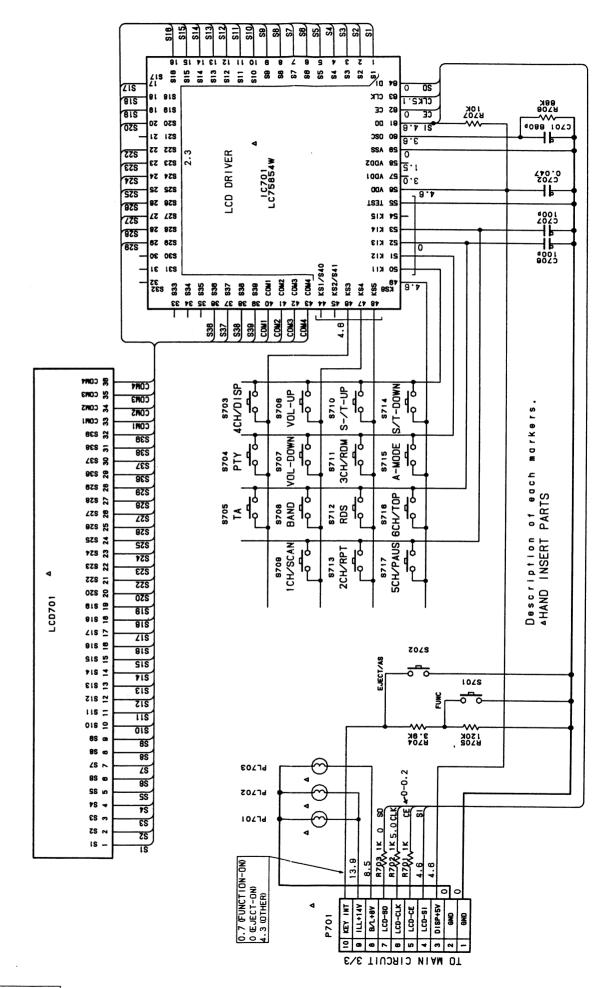
		H 19 LIS	J1							ence number	are alternative parts.
	IN PV			(==			nose parts is used in the			DADTA	De00-1-1-1
—			DESCRIPTION			PART No.	DESCRIPTION			PART No.	DESCRIPTION
C		182-4763-22		C		178-5622-05	,	Q	209	125-2003-02	
С		182-1053-63		C		178-5622-05		Q		125-0003-02	1
C	i	178-1032-05		C.	601	178-1032-05		Q	502	103-1504-00	
С		178-2732-05		C		178-4732-05		Q	503	125-2003-02	HN1202
С		178-2732-05		С		178-4732-05		Q		103-1504-00	
C		178-4732-05	_ i	C	610	178-1022-05		Q	505	103-1504-00	
C		178-1032-05		C		178-1032-05		Q	506	103-1504-00	
С		176-1011-00		C		178-1022-05		Q		102-2458-00	
. C		176-1011-00		C		178-1042-78		Q	602	100-1048-00	
С		176-1011-00	· '	C	614	178-1042-78		Q	603	125-0003-03	
С		176-1011-00	i '	C		182-2263-33		Q	604	125-0003-03	
С		178-4722-05	l .	C	616	182-2263-33	· ·	Q	605	125-2003-03	
С		178-4732-05	ł I	C		178-3312-05	•	Q	801	125-0003-02	
C		182-4763-22	1	C		182-2253-62		Q			2SC2458Y.GR.BL
C		178-1042-78	1	C		178-5612-05		Q	901	103-1858-00	
C		178-1532-05		C		182-4763-13		Q		102-3420-00	2SC3420
С		178-6832-05	·	C	805	178-1042-78		Q	903	103-1858-00	
C		182-2253-62	1	C		176-4701-00		Q	904	125-0003-02	
С	1	176-1501-00	1 '	C		176-8201-00		Q	905	125-0003-02	1
C		176-1801-00	1 '	C	808	178-3312-05		Q	906	125-2003-02	
C		176-1801-00		C		178-1022-05		R	1		1/10W 10kohm
С		176-5096-00		С	901	182-1063-33		R	2		1/10W 10kohm
С		178-4732-05		С	902	182-1063-33		R	3		1/4WS 1kohm
С		176-1011-00		С	903	178-4732-05		R	4		1/4WS 1kohm
C		178-1042-78	1	D	5	001-0330-00		R	5		1/10W 6.8kohm
С		176-1011-00	1 '	D	201	001-0466-00		R	6		1/10W 12kohm
С		182-2253-62	1 1	D		001-0330-00		R	7		1/10W 39kohm
C		182-2253-62	1	D	205	001-0330-00		R	8		1/10W 82kohm
С		182-2253-62		ĮΡ	206	001-0503-48		R	9		1/10W 10kohm
С		182-2253-62		D		001-0377-46	l :	R	10		1/10W 56kohm
C		178-2232-05	(D	208	001-0377-32		R	11		1/10W 10kohm
C		182-4763-33		D.	209	001-0330-00		R	12		1/4WS 10kohm
С		184-3373-22	ļ i	D	210	001-0188-01		R	13		1/10W 10kohm
C		184-2283-32	1 _	D	211	001-0330-00		R	14		1/4WS 1kohm
С		172-1041-11		D	212	001-0330-00	l .	R	15		1/10W 100kohm
С		182-1063-33		D	213	001-0330-00		R	16		1/10W 4.7kohm
C		178-4732-05		D	501	001-0330-00		R	17		1/10W 10kohm
C		178-4732-05		D	502	001-0377-32		R	18		1/10W 10kohm
C		178-1032-05		D	503	001-0330-00		R	19		1/10W 1kohm
C		178-4732-05		D	504	001-0377-23		R	20		1/10W 2.7kohm
С		182-3343-63		D	601	001-0330-00	l .	R	21		1/4WS 2.2kohm
С		182-4763-33		D		001-0330-00		R	22		1/4WS 1kohm
C		182-1063-33		D		001-0377-44		R	24		1/10W 470kohm
C		182-4753-53		P		001-0377-45	· ·	R	25		1/10W 1kohm
C		182-1063-33		D	902	001-0377-32		R	101	117-4721-10	1/10W 4.7kohm
C		182-1063-33		IC	1	051-6201-00		R	102		1/10W 4.7kohm
С		182-1063-33		IC		051-2009-00		R	103		1/10W 4.7kohm
C		182-1063-33	1	IC	102	051-2009-00		R			1/10W 4.7kohm
C		182-1063-33		IC	502	051-5008-00		R			1/4WS 22kohm
C		182-1063-33		IC	601	U52-3325-00	uPD78058GC-116-	R			1/4WS 10hm
CC		182-1063-33		10	600	054 0000 00	3B9	R			1/4WS 10hm
C		176-5601-00		IC	602		MB3771P(-G)	R			1/4WS 10hm
C		176-5601-00		lC		051-1819-00		R			1/4WS 10hm
		182-4753-53		L	1	010-2330-17		R	205		1/10W 10kohm
CC		182-4753-53		Į.	2	010-2230-38		R	206		1/4WS 1kohm
0		176-1511-00		ŀ		010-2330-50	1	R			1/4WS 10kohm
C		176-1511-00	, ,	L		010-2330-50		R			1/4WS 4.7kohm
CC		182-2263-33		L		010-2230-38		R			1/4WS 470ohm
C		182-2263-33		Q	1	100-1048-00		R			1/10W 15kohm
100		182-4763-13	t t	Q	2	100-1048-00	1	R			1/4WS 1kohm
CC		178-5622-05		Q	3	125-0003-02	i	R			1/4W 1.8ohm
C		178-5632-05		a	4	103-1504-00		R			1/4WS 10kohm
C		178-5632-05		Q	5 .		2SC2458Y.GR.BL	R			1/4WS 1kohm
C		178-5622-05		Q	6	1	2SC2458Y.GR.BL	R			1/10W 4.7kohm
C		182-1063-33		Q		103-1858-00		R			1/4WS 22kohm
C		182-1063-33		Q	202	103-1858-00		R			1/4WS 18kohm
C	55.5 55.5	182-1073-13	0.3V100UF	Q		101-1237-00	· · · · · · · · · · · · · · · · · · ·	R			1/4WS 330ohm
C	55.0	182-4763-13	0.3V4/UF	Q	204	103-1858-00		R			1/10W 10kohm
C	20 G	178-8232-55	0.08201	Q	205	103-1858-00		R			1/4WS 4.7kohm
C		178-8232-55		Q		103-1858-00	1	R			1/4WS 10kohm
C		178-2232-05		Q	207	102-2458-00	1	R			1/10W 10kohm
<u> </u>	22.9	178-2232-05	U.UZZUF	Q	208	101-1240-00	23D124U	R	510	111-4/21-91	1/4WS 4.7kohm

DE	- No	PART No.	DESCRIPTION	BEE	- No	PART No.	DESC	RIPTION	REF	Νo	PART No.	DESCRIPTION
INL									-			
R	511	111-3311-91	1/4WS 330ohm	R	532	117-6821-10	1/10W	6.8kohm	R	619	117-4731-10	1/10W 47kohm
R	512	111-3311-91	1/4WS 330ohm	R	537	111-3311-91	1/4WS	330ohm	R	620	117-6831-10	1/10W 68kohm
R	513	117-1031-10	1/10W 10kohm	R	601	117-1021-10	1/10W	1kohm	R	621	117-1241-10	1/10W 120kohm
R	514	111-4721-91	1/4WS 4.7kohm	R	602	117-2231-10	1/10W	22kohm	R	622	117-1041-10	1/10W 100kohm
R	515	117-1031-10	1/10W 10kohm	R	603	117-1021-10	1/10W	1kohm	R	623	117-1041-10	1/10W 100kohm
R	516	111-4721-91	1/4WS 4.7kohm	R	604	117-1041-10	1/10W	100kohm	R	803	117-2221-10	1/10W 2.2kohm
R	517	111-3311-91	1/4WS 330ohm	R	605	117-1041-10	1/10W	100kohm	R	804	111-1041-91	1/4WS 100kohm
R	518	117-1531-10	1/10W 15kohm	R	606	117-1041-10	1/10W	100kohm	R	805	111-1521-91	1/4WS 1.5kohm
R	520	117-8221-10	1/10W 8.2kohm	R	607	117-1031-10	1/10W	10kohm	R	806	117-2231-10	1/10W 22kohm
R	521	117-8221-10	1/10W 8.2kohm	R	608	117-1031-10	1/10W	10kohm	R	807	117-3911-10	1/10W 390ohm
R	522	117-3031-10	1/10W 30kohm	R	609	117-2231-10	1/10W	22kohm	R	901	111-1091-91	1/4WS 1ohm
R	523	117-1531-10	1/10W 15kohm	R	610	117-1021-10	1/10W	1kohm	R	902	111-1091-91	1/4WS 1ohm
R	524	117-3031-10	1/10W 30kohm	R	611	111-2231-91	1/4WS	22kohm	R	903	111-3311-91	1/4WS 330ohm
R	525	117-1531-10	1/10W 15kohm	R	612	117-4731-10	1/10W	47kohm	R	904	111-2211-91	1/4WS 220ohm
R	527	117-4731-10	1/10W 47kohm	R	613	117-4721-10	1/10W	4.7kohm	SUI	21	060-0122-10	DSP-201M-S00B
R	528	117-4731-10	1/10W 47kohm	R	614	117-4721-10	1/10W	4.7kohm	T	201	009-9006-60	
R	529	117-6831-10	1/10W 68kohm	R	616	111-1021-91	1/4WS	1kohm	X	1	061-1066-00	7.2MHz
R	530	117-6831-10	1/10W 68kohm	R	617	111-1031-91	1/4WS	10kohm	X	601	060-0130-50	4.19MHz
R	531	117-6821-10	1/10W 6.8kohm	R	618	117-1041-10	1/10W	100kohm	X	801	061-3013-00	4.33MHz

SWITCH PWB

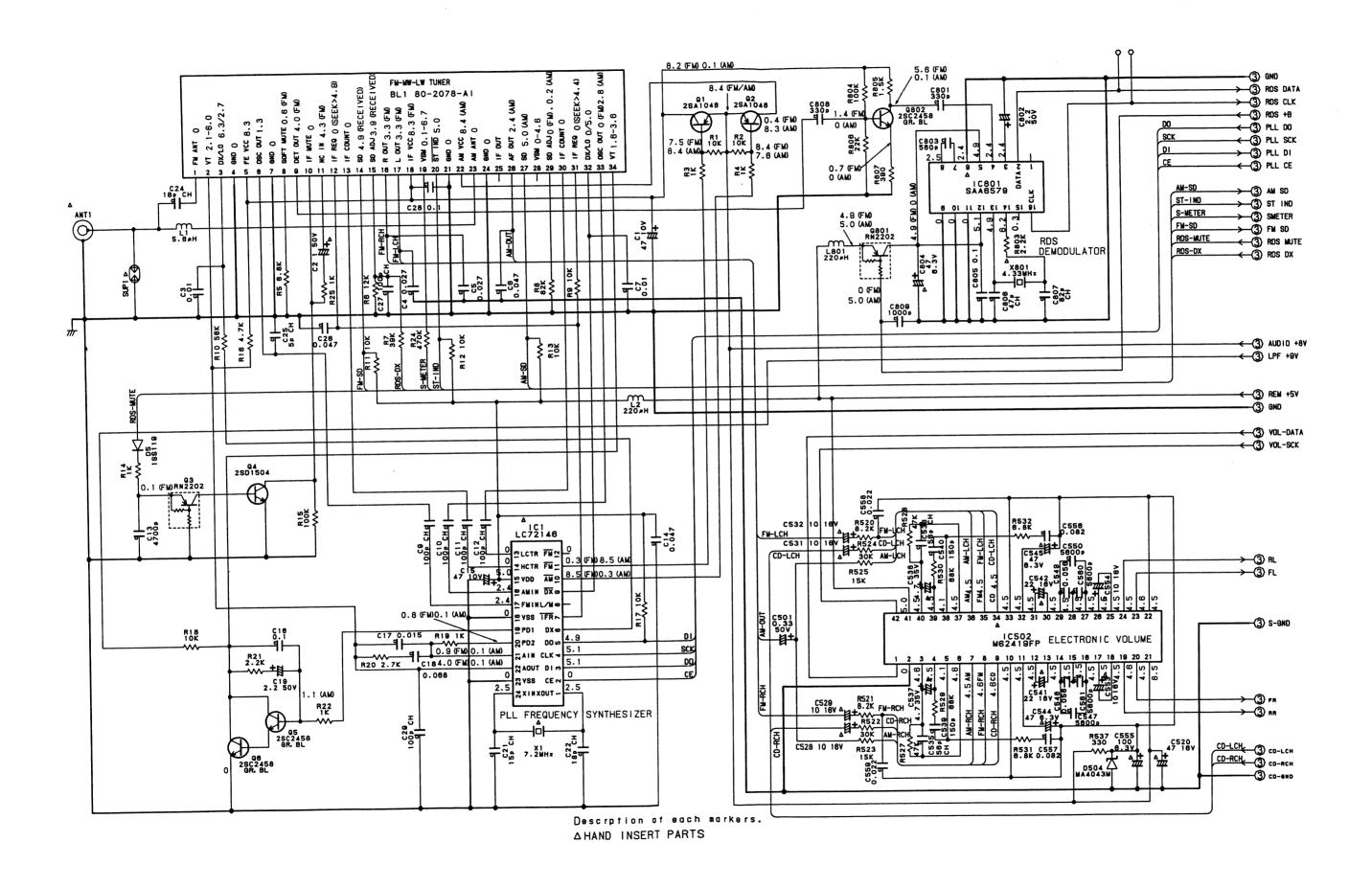
	7111 440								
REF No	. PART No.	DESCRIPTION	REF	No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C 701	178-6812-05	680pF	R	706	117-6831-10	1/10W 68kohm	S 709	013-3640-02	
C 702	178-4732-05	0.047uF	R	707	117-1031-10	1/10W 10kohm	S 710	013-3640-02	
C 706	176-1011-00	100pF CH	s	701	013-3640-02		S 711	013-3640-02	
C 707	176-1011-00	100pF CH	s	702	013-3812-11		S 712	013-3640-02	
IC 701	051-6013-00	LC75854W	s	703	013-3640-02		S 713	013-3640-02	
R 701	117-1021-10	1/10W 1kohm	s	704	013-3640-02		S •714	013-3640-02	
R 702	117-1021-10	1/10W 1kohm	s	705	013-3640-02		S 715	013-3640-02	
R 703	117-1021-10	1/10W 1kohm	s	706	013-3812-11		S 716	013-3640-02	
R 704	117-3921-10	1/10W 3.9kohm	S	707	013-3640-02		S 717	013-3640-02	
R 705	117-1241-10	1/10W 120kohm	S	708	013-3640-02				

■ CIRCUIT DIAGRAM 1/3

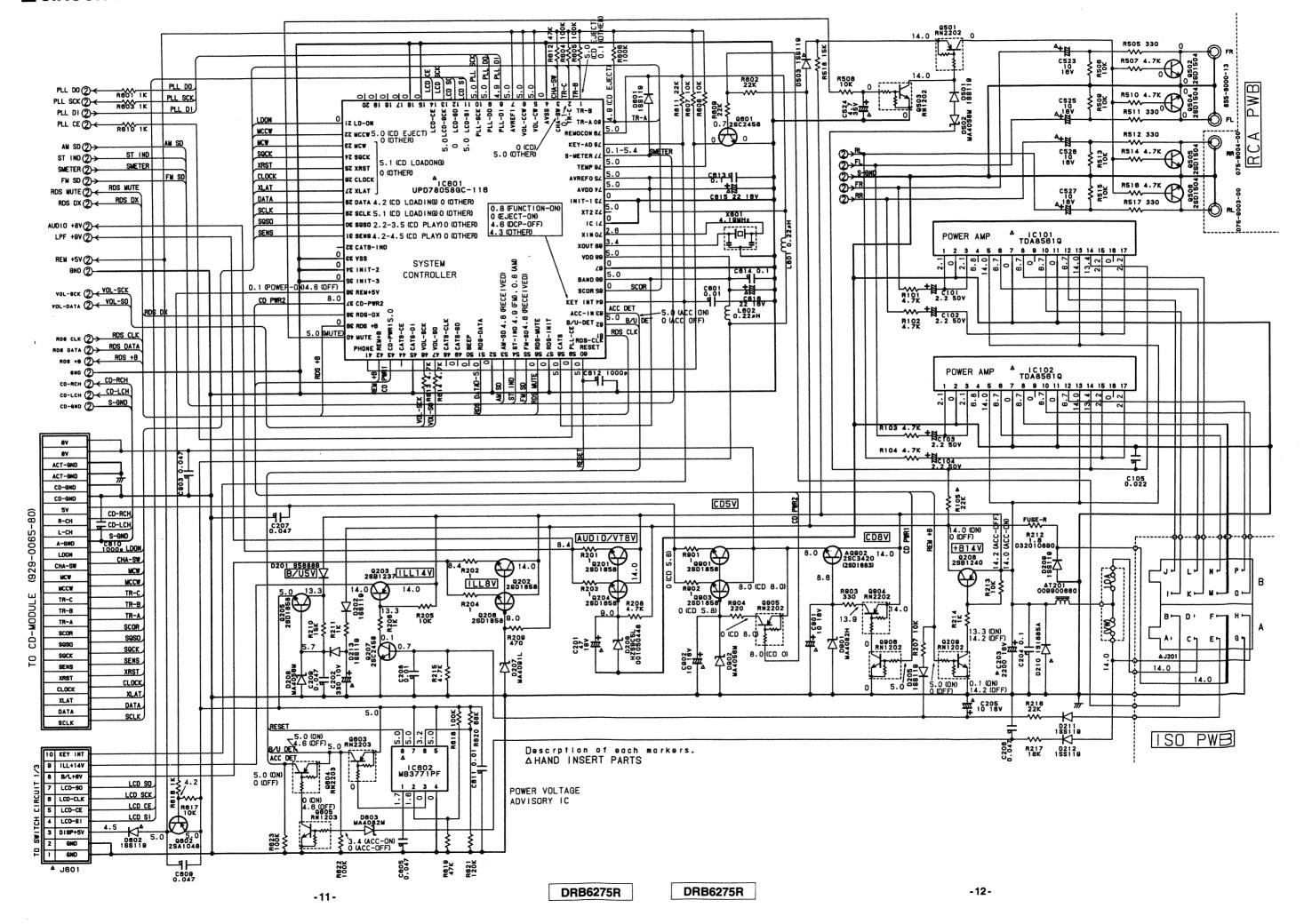


-8-

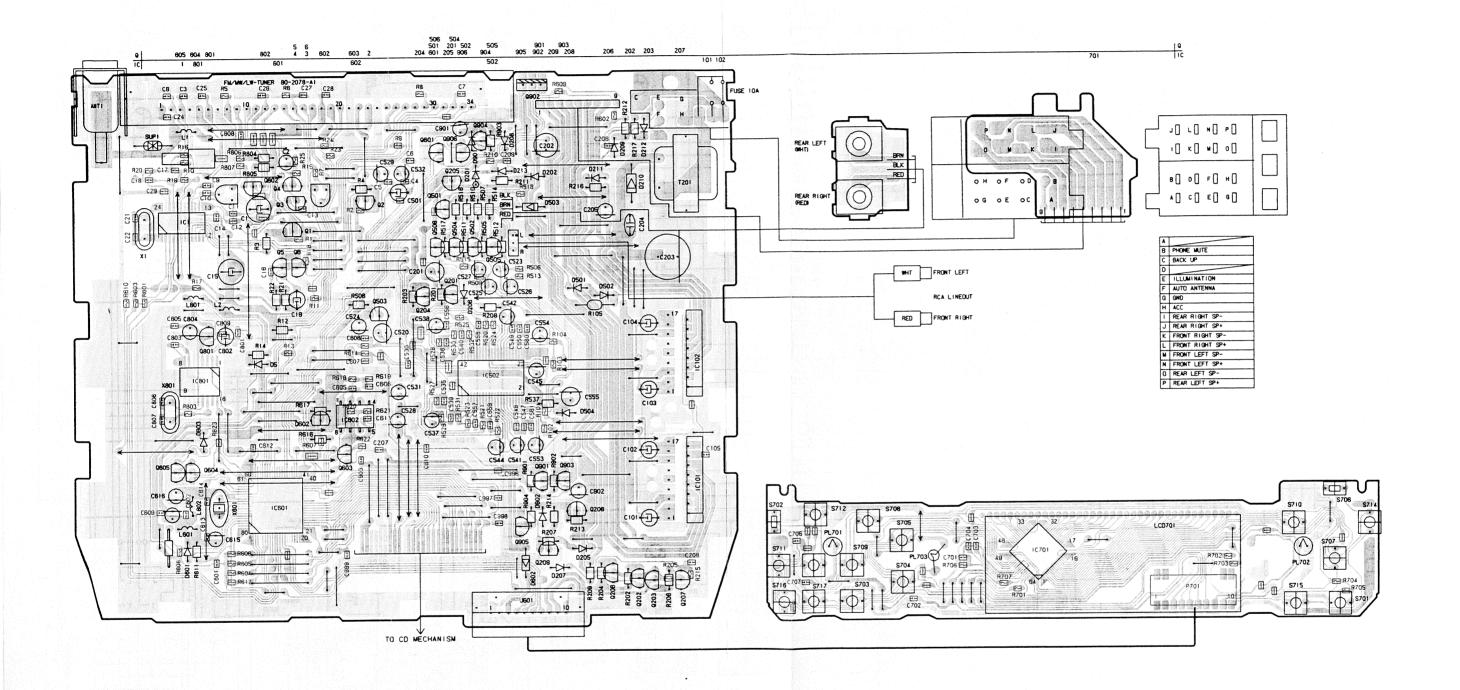
■ CIRCUIT DIAGRAM 2/3



■ CIRCUIT DIAGRAM 3/3



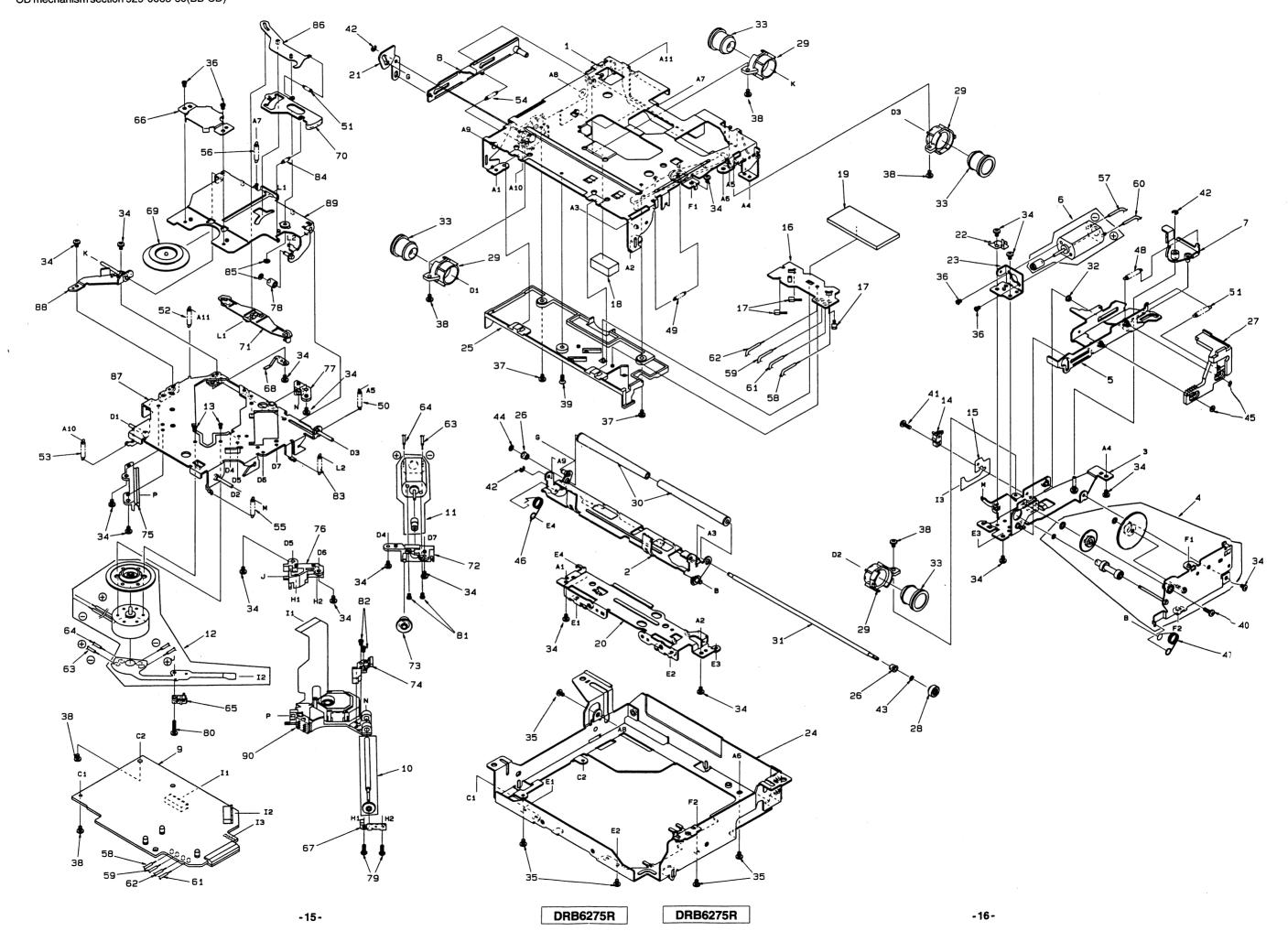
■ PRINTED WIRING BOARD



DRB6275R

DRB6275R

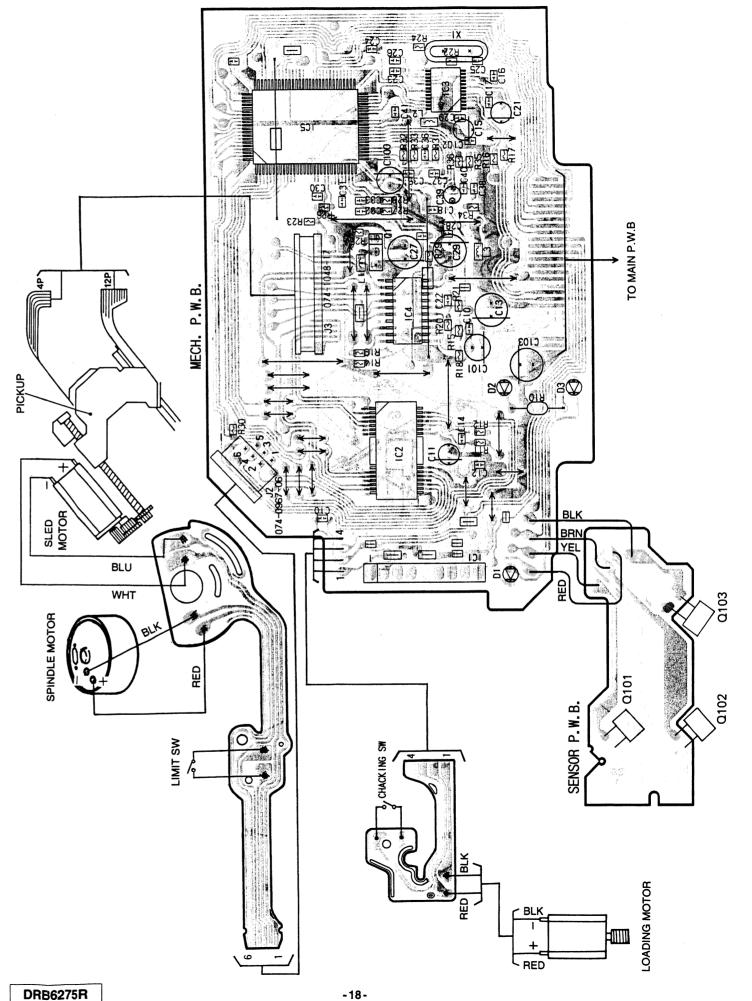
EXPLODED VIEW CD mechanism section 929-0065-80(BB-CD)



■ PARTS LIST
CD mechanism section 929-0065-80(BB-CD)

NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	966-0308-06	CHASSIS ASS'Y	1	46	750-3090-02	RO-SPRING-L	1
2	966-0309-04	L-DISC-G-ASS'Y	1	47	750-3091-03	RO-SPRING-R	1
3	966-0310-06	SFT-P-CH-ASS'Y	1	48	750-3092-03	SHIFT SPRING	1
4	HBS-430-100	GEAR-SUB-ASS'Y	1	49	750-3094-00	S-ARM SPRING	1
5	966-0312-06	SHIFT-P-ASS'Y	1	50	750-3096-01	DR-SPRING-R	1
6	SMA-147-100	MOTOR ASS'Y(LOADING)	1	51	750-3098-00	L-LINK SPRING	2
7	966-0358-01	DRIVE-L-PL-ASS'Y	1	52	750-3164-00	DR-SPRING-LR	1
8	966-0359-03	SIDE-L-PL-ASS'Y	1	53	750-3188-00	DR-SP-F-B	1
9	HBS-431-100	PWB ASS'Y	1	54	750-3189-00	SIDE-L-SPRING	1
10	HBS-432-100	LS-GEAR ASS'Y	1	55	750-3201-00	DR-SPRING-F-R	1
11	SMA-146-100	MOTOR ASS'Y(SLED)	1	56	750-3202-00	CENTER SPRING-B	1
12	SMA-151-100	MOTOR ASS'Y(SPINDLE)	1	57	800-4904-60	VINYL COAT WIRE(BLK)	1
13	716-1733-00	SCREW	2	58	800-4910-60	VINYL COAT WIRE(BLK)	1
14		CHACKING SWITCH	1	59	801-4910-60	VINYL COAT WIRE(BRN)	1
15		FLEXIBLE PWB	1	60	802-4904-60	VINYL COAT WIRE(RED)	1
16		SENSOR PWB	1	61	802-4910-60	VINYL COAT WIRE(RED)	1
17	060-0252-01	PHOTO TR (PT4850F)	3	62	804-4910-60	VINYL COAT WIRE(YEL)	1
18	345-7513-01	CLAMPER SHEET	1	63	816-2372-00	VINYL COAT WIRE(BLU)	1
19		S-PEB-SHEET .	1	64	816-2373-00	VINYL COAT WIRE(WHT)	1
20		FRONT PLATE	1	65	013-7100-00	LIMIT SWITCH	1
21		S-L-LINK PLATE	1	66	620-0198-03	CLAMPER PLATE	1
22		MOTOR PLATE	1	67	620-0491-02	SPRING PLATE	1
23		MOTOR BRACKET	1	68	620-0690-00	RATTLE PLATE	1
24		MECHA BRACKET	1	69	621-0205-02	CLAMPER PLATE	1
25		U-DISC GUIDE	1	70	621-0251-02	LOCK LINK	1
26		ROLLER SLEEVE	2	71	621-0252-03	DISC STOPPER	1
27		RACK GEAR	1	72	621-0253-01	MOTOR HOLDER	1
28		ROLLER GEAR	1	73	621-0255-02	SECOND GEAR	1
29		DAMPER HOLDER	4	74	621-0257-05	SCREW HOLDER	1
30		LOADING ROLLER	2	75	621-0357-01	PICKUP GUIDE	1
31	622-1072-04		1	76	621-0358-02	LS-HOLDER-F	1
32		SHIFT ROLLER	1	77	621-0359-02	LS-HOLDER-R	1
33		DAMPER-DL	4	78	622-1073-02	CLAMPER ROLLER	1
34		MACHINE SCREW(M2X3)	18	79	716-0675-00	SCREW	2
35		MACHINE SCREW(M2.6X3)	5	80	716-1555-00	WAVE SCREW	1
36	716-1468-00		4	81		SEMS SCREW	2
37	716-1507-00		2	82		PRECISION SCREW	2
38	716-1670-00		6	83		CLAMPER SPRING	1
39	716-1677-00		1	84		ES-SPRING	1
40	716-1704-00		1	85	746-0761-00		2
41	716-1742-00		1	86	966-0314-01		1
42	743-1500-10		3	87	966-0447-02		1
43	746-0712-03		1	88		SIDE PLATE ASS'Y	1
44	746-0712-03		1	89		CLAMP LINK ASS'Y	1
45	746-0762-00		2	90		PICKUP UNIT ASS'Y	1

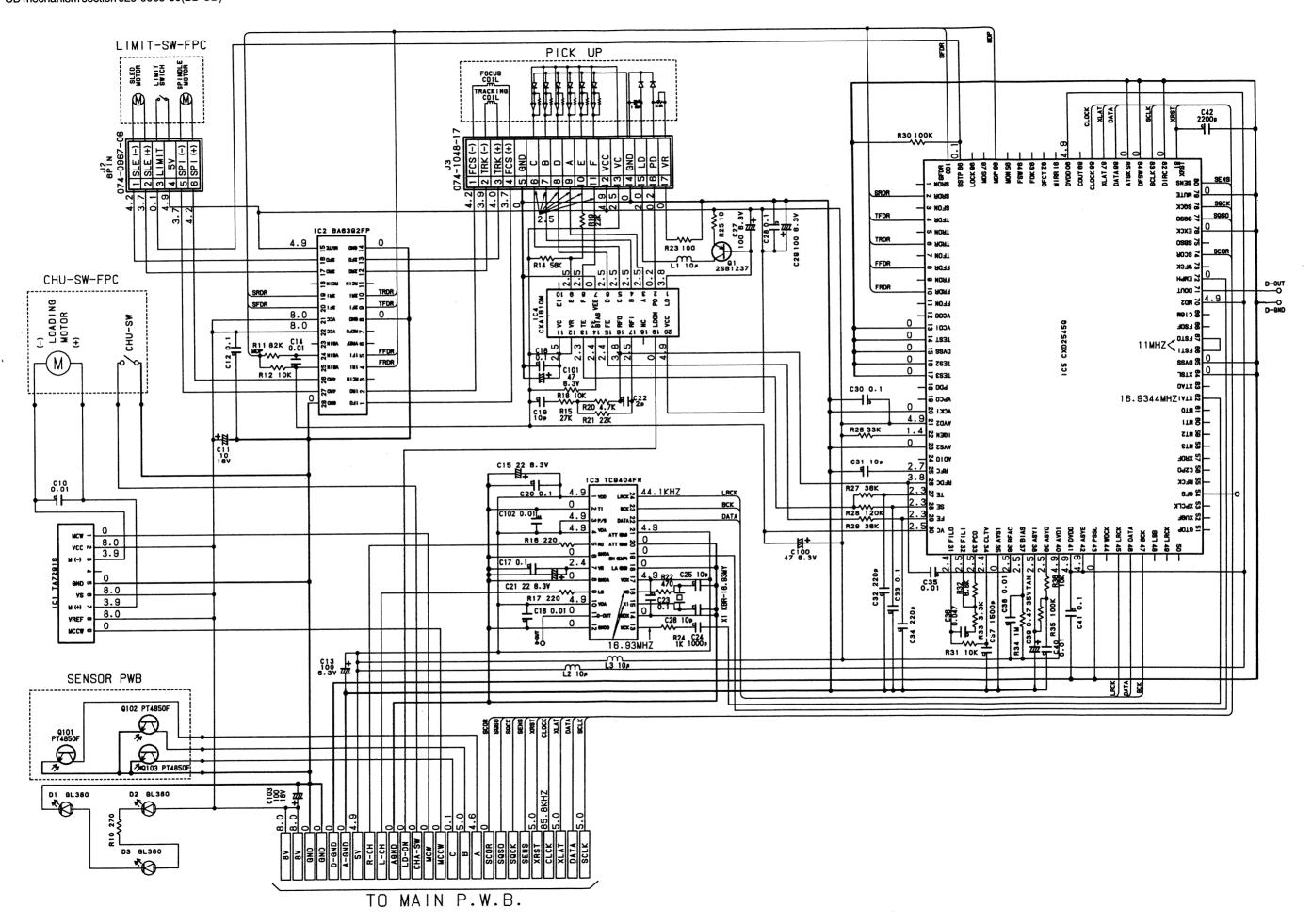
■ PRINTED WIRING BOARD CD mechanism section 929-0065-80(BB-CD)



DRB6275R

DRB6275R

CD mechanism section 929-0065-80(BB-CD



ELECTRICAL PARTS LIST CD mechanism section 929-0065-80(BB-CD)

MECH PWB

RE	F No.	PART No.	DESCRIPTION	REF	No.	PART No.	DESCRIPTION	REF	No.	PART No.	DESCRIPTION
С	10	178-1032-78	0.01uF	С	36	178-4732-78	0.047uF	R	14	117-5631-10	1/10W 56kohm
C	11	182-1063-32		C	37	178-1522-78	1500pF	R	15	117-2731-10	1/10W 27kohm
С	12	178-1042-78	1	С	38	178-1032-78	0.01uF	R		117-2211-10	1/10W 220ohm
С	13	182-1073-12	6.3V100uF	С	39	042-0230-00	35V0.47uF	R	17	117-2211-10	1/10W 220ohm
C	14	178-1032-78	0.01uF	C	40	178-1032-78	0.01uF	R	18	117-1031-10	1/10W 10kohm
С	15	182-2263-12	6.3V22uF	C	41	178-1042-78	0.1uF	R			1/10W 22kohm
C	16	178-1032-78	0.01uF	C	42	178-2222-78	2200pF	R	20		1/10W 4.7kohm
C	17	178-1042-78	0.1uF	C		182-4763-12	l E	R	21		1/10W 22kohm
C	18	178-1042-78	0.1uF	C		182-4763-12		R	22	1	1/10W 470ohm
C	19	176-1007-00	10pF CH	C		178-1032-78		R	23		1/10W 100ohm
C	20	178-1042-78	0.1uF	C	103	182-1073-32		R	24		1/10W 1kohm
С	21	182-2263-12	6.3V22uF	D	1	001-0563-00	1	R	25	1	1/10W 10ohm
C	22	176-2096-00	2pF CJ	D	2	001-0563-00		R	26		1/10W 33kohm
C	23	178-1042-78	0.1uF	D	3	001-0563-00		R	27	Í	1/10W 36kohm
C	24	178-1022-78		IC	1	051-1014-10	ı	R	28	1	1/10W 120kohm
C	25	176-1007-00		IC	2	051-6015-05	1	R	29		1/10W 36kohm
С	26	176-1007-00	10pF CH	IC	3	051-6314-05	· ·	R	30	l .	1/10W 100kohm
C	27	182-1073-12	6.3V100uF	IC	4		CXA16010M	R	31		1/10W 10kohm
С	28	178-1042-78	0.1uF	IC	5		CXD2545Q	R	32		1/10W 6.8kohm
C	29	182-1073-12	6.3V100uF	L	1	010-2155-03		R	33		1/10W 3.3kohm
C	30	178-1042-78	0.1uF	L	2	010-2155-03	1	R	34	1	1/10W 1Mohm
C	31	176-1007-00	10pF CH	L	3	010-2155-03	1	R	35	1	1/10W 100kohm
С	32	178-2212-78	220pF	Q	1	101-1237-00	1	R	36		1/10W 10kohm
С	33	178-1042-78	0.1uF	R	10	1	1 1/4WS 270ohm	X	1	060-1014-00	16.9344MHz
C	34	178-2212-78	220pF	R	11	1	1/10W 82kohm				
lc	35	178-1032-78	3 0.01uF	R	12	117-1031-10	1/10W 10kohm				

SENSOR PWB

RE	F No.	PART No.	DESCRIPTION
Q	101	060-0252-01	PT4850F
Q	102	060-0252-01	PT4850F
0		060-0252-01	